

## Manomet Study Independent Advisory Panel

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**Clark S. Binkley** is Managing Director of International Forestry Investment Advisors (IFIA), a firm he founded in 2005 to develop and implement innovative, socially responsible, high-return timberland investment strategies. IFIA currently co-manages a little over a half billion dollars of assets, and focuses on emerging markets, forestry technologies, and capital-market arbitrage. Prior to founding IFIA, Binkley was Managing Director and Chief Investment Officer of the Hancock Timber Resource Group, the world's largest timberland investment advisory firm serving private-equity clients. During the six full years of his tenure at Hancock, he was responsible for the investment strategies that produced 300 bps/yr of annual out performance versus the industry benchmark, and he lead efforts to raise over \$2 billion in equity capital.

Before joining Hancock, Binkley was Dean of the Faculty of Forestry at the University of British Columbia. From 1978-90, he was a faculty member at Yale University, where, in 1990, he was named the Frederick K. Weyerhaeuser Professor of Forest Resource Management. He serves on the Board of Directors for West Fraser Timber, Ltd., the leading softwood lumber manufacturer in North America, as chair of the Heath, Safety, and Environment Committee and a member of the Audit and Governance Committees. In the past 30 years, he has consulted to numerous forest products companies, governmental agencies, and conservation groups. Clark has written more than 100 books and articles on forest economics and is widely known for his research on timberland investments. He holds degrees in applied mathematics and engineering from Harvard University, and in Forestry and Environmental Studies from Yale University.

**David Foster** is an ecologist and author of *Thoreau's Country – Journey through a Transformed Landscape* (1999), *New England Forests Through Time* (2000; both Harvard University Press), *Forests in Time – The Environmental Consequences of 1000 years of Change in New England* (2004; Yale University Press), and *Wildland and Woodlands: A Vision for the Forests of Massachusetts* (Harvard University). He has been a faculty member in organismic and evolutionary biology at Harvard since 1983 and Director of the Harvard Forest, the University's 3,500-acre ecological laboratory and classroom in central Massachusetts, since 1990. Foster is the Principal Investigator for the Harvard Forest Long-Term Ecological Research program, which is sponsored by the National Science Foundation and involves more than 100 scientists and students investigating the dynamics of New England landscapes as a consequence of climate change, human activity, and natural disturbance.

Foster has a Ph.D. in ecology from the University of Minnesota and has conducted studies in the boreal forests of Labrador, Sweden, and Norway and the forests of Puerto Rico, the Yucatan, and Patagonia, in addition to his primary research on landscape dynamics in New England. His interests focus on understanding the historical changes in forest ecosystems that result from human and natural disturbance and applying these results to the conservation and management of natural and cultural landscapes. He currently serves on the boards of The Nature Conservancy, Trustees of Reservations, Conservation Research Foundation, and Highstead Foundation. As part of his conservation work, Foster and colleagues developed *Wildlands and Woodlands – A Vision for the Forests of Massachusetts*, which outlines an ambitious plan for the protection and conservation of half of the land in the state. At Harvard University, Foster teaches courses on forest ecology and environmental change, and he directs the graduate program in forest biology.

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**Paul L. Lemar, Jr.** is the President of Resource Dynamics Corporation. Over the past 26 years, Lemar has managed numerous research projects that explored the market and regulatory challenges to distributed generation and clean heat and power. He has advised the U.S. Department of Energy (DOE), power generation equipment manufacturers, and local governments on market developments concerning biomass and opportunity fuels for power generation and combined heat and power. He has published studies on markets for biomass and biogas-fueled power generation, and he recently completed the outlook for biomass power as part of the ACORE Outlook on Renewable Energy. During the past five years, he has led a number of projects that have focused on biomass customer-sited power projects. He advises the DOE's Office of Industrial Technologies, as well as key players in the industry, including assessments of domestic and worldwide markets for General Electric, Rolls Royce, and Ingersoll-Rand. Lemar is also a noted lecturer and author; he regularly addresses utility, manufacturer, and industrial audiences on topics including biomass combined heat and power; onsite power systems and cogeneration; industrial energy use; efficiency improvement and new energy technologies; strategic market planning; and the increasing importance of environmental concerns in understanding business and industry customers. Lemar serves as the treasurer and chair of the Industry Development Committee of the U.S. Clean Heat and Power Association. He has a B.S. in mechanical engineering and an M.B.A. from the University of Maryland.

**V. Alaric Sample** has served as President of the Pinchot Institute for Conservation in Washington, D.C. since 1995. He is a Fellow of the Society of American Foresters, and a Research Affiliate on the faculty at the Yale School of Forestry and Environmental Studies. His research interests are in organizational systems for advancing sustainable forest management, including policy frameworks, market-based systems, multi-sectoral complementarity in the conservation of large forest landscapes, and evolving pluralistic models for forest management planning and decision-making. Sample earned his doctorate in resource policy and economics from Yale University in 1989. He also holds an M.B.A and a Master of Forestry from Yale, as well as a B.S. in forest resource management from the University of Montana. His professional experience spans public, private, and non-profit organizations, including the U.S. Forest Service, Champion International, The Wilderness Society, and the Prince of Thurn und Taxis in Bavaria, Germany. He specialized in resource economics and national forest policy as a Senior Fellow at the Conservation Foundation in Washington, D.C., and later as Vice President for Research at the American Forestry Association. He has been widely published in journals of resource policy, economics, law, and organizational management. His recent books include: *The Impact of the Federal Budget Process on National Forest Planning*; *Land Stewardship in the Next Era of Conservation*; *Remote Sensing and GIS in Ecosystem Management*; and *Defining Sustainable Forestry*. Sample has served on numerous national task forces and commissions, including the President's Commission on Environmental Quality task force on biodiversity on private lands, and he was co-chair of the National Commission on Science for Sustainable Forestry. Other professional activities include serving as chair of the National Capital Society of American Foresters and chair of the board of directors for the Forest Stewards Guild. He currently serves on the Leadership Council, and he is President of the Alumni Association for the Yale School of Forestry and Environmental Studies.